

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-25 16:57:31  
Date of Next Testing: 2028-07-24 16:57:31  
Product Name: **Lithium perchlorate trihydrate**  
CAS Number: 13453-78-6  
Specifications & Purity: reagent grade,99.0%  
Lot #: G2412455  
SKU #: **L110838**  
Version: **0**  
Analysis #: **393559**

Parameter	Limit Values	Result
Assay	99-100 (%)	100.00 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.00 %
Total Nitrogen	0-0.002 (%)	0.00 %
Chloride and Bromide(As Cl <sup>-</sup> )	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.003 (%)	0.00 %
Cl(Titration by AgNO <sub>3</sub> )	21-22 (%)	21.50 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Appearance (L110838)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
ICP Major Analysis Confirmed	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager